Experimental 5.2 Probability of Simple Events

Proportionality— 7.6.I Determine experimental and theoretical probabilities related to simple and compound events using data and sample spaces. Also 7.6.A, 7.6.B, 7.6.C

ESSENTIAL QUESTION

How do you find the experimental probability of a simple event?

EXPLORE ACTIVITY



Finding Experimental Probability

You can toss a paper cup to demonstrate experimental probability.

A Consider tossing a paper cup. Fill in the Outcome column of the table with the three different ways the cup could land.

B	Tos
	ohs

Toss a paper cup twenty times. Record	your
observations in the table.	

Outcome	Number of Times

Reflect

- Which outcome do you think is most likely? 1.
- Describe the three outcomes using the words *likely* and *unlikely*. 2.
- **3.** Use the number of times each event occurred to calculate the probability of each event.
- **Experimental Probability** Outcome **4.** What do you think would happen if you performed more trials? Open-end up open-end up 20 20 Open-end down open-end down 20 20 5. What is the sum of the three probabilities in the table? On its side on its side 20 20